

Abstract

This invention belongs to the chemical field, which is related to the fields of pharmaceutical preparations and cosmetic, especially to asiaticoside-liposome and its use for preparing pharmaceutical preparations and cosmetic. In this invention, asiaticoside and lipid components are fused by heating or dissolved in organic solvents, then treated with the rotary thin layer evaporation technique, hydrated by adding aqueous solution under shaking to afford lipid dispersing aqueous solution, and then treated by using the technics of sonication, homogeneous emulsification, microjet and extruding filtration to enwrap asiaticoside in the middle of liposomal bilayer membranes to form the hydrophilic asiaticoside-liposome. Asiaticoside-liposome of this invention can enhance the stability, skin penetrability and hydrophilicity of asiaticoside, it can be used for the preparation of cosmetic and pharmaceutical preparations especially skin-penetrated pharmaceutical preparations, and it is more convenient and easy to prepare skin-penetrated pharmaceutical preparations and cosmetic containing asiaticoside.